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Range and Ranch Economics Bibliography: 1968-85

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THE COMPILER

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RESEARCH SUMMARY

This bibliography lists 488 citations pertaining to the following subject areas: rangeland planning and decision making; economics impacts; ranch economics; evaluation, procedures, and techniques; economics of improvements; and valuing range forage and grazing fees. The literature for range and ranch economics is expanding rapidly but has yet to become significant enough to merit automation by major research data banks. Agricola and other data bases were queried but with few results; therefore, most citations were obtained from personal searches of agency, personal, and university libraries and correspondence with range economists throughout the Western United States.

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Range and Ranch Economics Bibliography: 1968-85

Fred J. Wagstaff, Compiler

INTRODUCTION

Members of the Western Regional Coordinating Committee WRCC-55 have expressed the need for an updated bibliography of range and ranch economics. This coordinating committee was organized to give focus to range economics research in the Western United States. The full committee is composed of representatives from 17 western universities, three federal agencies, one farm organization, and one livestockmen's organization involved or interested in range and ranch economics research. The exchange of information between researchers is a primary function of the coordinating committee, and this bibliography will help with that goal.

The need for this published bibliography stems from the fact that most automated library search systems have not been expanded to include range economics literature, and it appears it will be some time before they will. Keeping current with the literature has become difficult.

An earlier draft of this bibliography was checked for completeness by several reviewers at universities across the West. Considerable effort to include all published literature was made; however, there will undoubtedly be exclusions and oversights. For these I apologize.

The period of 1968-85 was used because of the earlier bibliographic work of Gray and El Saadi (1969),¹ which is available in most western university libraries. Their bibliography contains ranch and range literature from the early 1920's to 1968 and is organized by subject matter, title, and author. The Gray and El Saadi work was financed and published by an earlier regional research coordinating committee and is the last of a series of publications by that committee, which disbanded in 1969.

¹Gray, James R.; El Saadi, Mohamed A. A. Economic research in the use and development of range resources: range and ranch economics bibliography. Report 11. Las Cruces, NM: Western Agricultural Economics Research Council, Committee on Economics of Range Use and Development; 1969. 90 p.

This bibliography is organized alphabetically by author under broad subject categories. An alphabetical author index is included.

RANGELAND PLANNING OR DECISION MAKING (MULTIPLE USE: GENERAL REFERENCE)

1. Anderson, William E.; Jernsteadt, Maurice L. Evaluating multiple economic effects of forage development and management. *J. Range Manage.* 24(3): 174-180; 1971.
2. Baden, John. Range resources and institutional change. In: *Developing strategies for rangeland management*. Boulder, CO: Westview Press; 1984: 1681-1688.
3. Bartlett, E. T.; Cook, C. Wayne. Economics will determine the method of beef production. *Rangelands*. 5(4): 151-152; 1983.
4. Bell, Hershel M. *Rangeland management for livestock production*. Norman, OK: University of Oklahoma Press; 1973. 303 p.
5. Berry, Lester J. Competition for the range resource by wildlife and domestic livestock. In: *Economic problems of the range livestock industry: Proceedings*; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 55-58.
6. Bredemeier, Lorenz F. A comparison of factors that affect ranching profits. *J. Range Manage.* 23(5): 312-315; 1970.
7. Bromley, Daniel W. Discussion of "the role of economic analysis in public range management." In: *Developing strategies for rangeland management*. Boulder, CO: Westview Press; 1984: 1467-1474.
8. Burdge, Rabel J. Getting and staying in touch: sociological techniques for evaluation of range management decision

- alternatives. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1635-1658.
9. Ching, C. T. K. Forum on the economics of public land use in the West. MS-86. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1978 January. 39 p.
 10. Clary, Warren P. Interfacing physical data and economics. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 115-120.
 11. Clary, Warren P.; Kruse, William H.; Larson, Frederic R. Cattle grazing and wood production with different basal areas of ponderosa pine. *J. Range Manage.* 28(6): 434-437; 1975.
 12. Clawson, Marion, ed. Research in forest economics and forest policy. Res. Pap. R-3. Washington, DC: Resources for the Future; 1977. 555 p.
 13. Clawson, Marion. The Federal lands revisited. Washington, DC: Resources for the Future; 1983. 302 p.
 14. Conner, J. Richard. Holistic ranch management: how, when, where and what needs to be done. In: White, Larry D.; Guinn, Dwight E., eds. Proceedings, International Ranchers Roundup; 1984 July 30-August 3; Laredo, TX. San Angelo, TX: Texas A. & M. University, Texas Agricultural Extension Service; 1984: 1-10.
 15. Conner, J. Richard. Range improvements: the decision process. In: White, Larry D.; Guinn, Dwight E.; Troxel, Tom R., eds. Proceedings, International Ranchers Roundup; 1984 July 30-August 3; Laredo, TX. San Angelo, TX: Texas A. & M. University, Texas Agricultural Extension Service; 1985: 174-185.
 16. Council for Agricultural Science and Technology. Livestock grazing on Federal lands in the 11 western States. *J. Range Manage.* 27(3): 174-181; 1974.
 17. Council for Agricultural Science and Technology. Multiple use of public lands in the 17 western States. Rep. 45. Ames, IA; 1975. 40 p.
 18. D'Aquino, Sandy A. A case study of optimal allocation of range resources. *J. Range Manage.* 27(3): 228-233; 1974.
 19. Dietz, Thomas. Social impact assessment as a tool for rangeland management. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1613-1634.
 20. Duran, Gilbert; Kaiser, H. F. Range management practices: investment costs, 1970. *Agric. Handb.* 435. Washington, DC: U.S. Department of Agriculture, Forest Service; 1972. 38 p.
 21. Dyer, A. A. Public natural resource management and valuation of nonmarket outputs. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1559-1596.
 22. Eisenman, Eric; Wensel, Lee C.; Stuart, Thomas W.; Thor, Edward C. A compilation of economic data sources for wildland planning and management in the western United States. Berkeley, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Forest and Range Experiment Station; 1980. 225 p.
 23. Fowler, John M. Economic evaluation of the range component of the Resource Planning Act (RPA)--1980 update. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 57-63.
 24. Fulcher, Glen D. Multiple-use of public land range resources. In: Conference proceedings of committee on economics of range use and development. Western Agricultural Economics Research Council Report 9: 129-138; 1969.
 25. Gardner, B. Delworth. Market versus political allocations of natural resources in the 1980s. *West. J. Agric. Econ.* 8: 227-229; 1983.
 26. Gardner, B. Delworth. The role of economic analysis in public range management. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1441-1466.
 27. Gee, C. Kerry; Madsen, Albert G.; Keffeler, J. Bret. How much is a Colorado cattle ranch worth? *Gen. Ser.*

992. Fort Collins, CO: Colorado State University Experiment Station; 1980. 43 p.
28. Godfrey, E. Bruce. Multiple use management on the public lands: a study of the Morgan Creek areas of central Idaho. Bull. 566. Moscow, ID: Idaho Agricultural Experiment Station; 1978. 20 p.
 29. Godfrey, E. Bruce. Livestock grazing on Federal rangelands--going, going, gone? Rangelands. 1(3): 92-93; 1979.
 30. Godfrey, E. Bruce. Economics and multiple use management on Federal rangelands. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 77-82.
 31. Godfrey, E. Bruce; Nielsen, Darwin B. Economic incentives and range improvements on Federal rangelands. In: Packer, Paul E.; Klemmedson, James O., eds. Constraints to improved management of public rangelands. Washington, DC: Society of American Foresters; 1980: 9-12.
 32. Godfrey, E. B.; Nielsen, Darwin B. Grazing, food production, and Federal land management. Study Pap. 80-11. Logan, UT: Utah State University, Department of Economics; 1980 December. 13 p.
 33. Godfrey, E. Bruce; Workman, John P. Agriculture. In: Wagner, Fredric H., review coordinator. Review of the U.S. Air Force's draft environmental impact statement on deployment area selection and land withdrawal/acquisition for the MX missile system--a report to Governor Scott M. Matheson. Utah Consortium for Energy Research and Education. Logan, UT: Utah State University, Department of Economics; 1981: 239-250.
 34. Gray, James R. Ranch economics. Ames, IA: Iowa State University Press; 1968. 544 p.
 35. Gray, James R. An historic look at range economic research. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 1-12.
 36. Gray, James R. Response to "economic factors to be considered in sagebrush/grassland management." In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1387-1396.
 37. Halbrook, W. A. Economic considerations in forage production. In: Using forage for profit in beef and dairy programs; 1979 April 9-11; Little Rock, AR. Lexington, KY: American Forage and Grassland Council; 1979: 39-46.
 38. Hausle, Earl A. Potential economic values on weather modification on Great Plains grasslands. J. Range Manage. 25(2): 92-95; 1972.
 39. Hooper, Jack F.; Workman, John P.; Grumbles, Jim B.; Cook, C. Wayne. Improved livestock distribution with fertilizer--a preliminary economic evaluation. J. Range Manage. 22(2): 108-110; 1969.
 40. Howitt, Richard E. Rangeland as a collective capital good. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 32-38.
 41. Infanger, Carlton A. Issues and priorities for range economics research. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 138-142.
 42. Jameson, Donald A.; D'Aquino, Sandy A.; Bartlett, E. T. Economics and management planning of range ecosystems. Rotterdam, Holland: A. A. Balkema Publishers; 1974. 244 p. [See Workman, John P., 1974, citation 108].
 43. Karp, L.; Pope, C. Arden, III. Range management under uncertainty. Am. J. Agric. Econ. 9: 160-169; 1984.

44. Kearl, W. Gordon. Economic and management constraints for livestock from arid shrublands. In: Arid shrublands; Proceedings of the 3d workshop of the United States/Australia Rangelands Panel; 1973 April 4; Tucson, AZ. Denver, CO: American Society of Range Management; 1975: 116-124.
45. Kearl, W. Gordon. Multiple uses and abuses of public lands--laws, regulations, administrators, special interest groups and users. AE 80-17. Laramie, WY: University of Wyoming, Department of Agricultural Economics; 1980. 29 p.
46. Kearl, W. Gordon; Hoye, Patricia D. Meat--an end product from rangeland: current production and consumption situation and implications. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 19-32.
47. Kerr, W. A.; Dooley, A. Can rangeland projects survive cost-benefit analysis? Rangelands. 4(1): 21-22; 1982.
48. Lambert, David K. Costs and benefits of BLM range improvements: private and public perspectives. OES-EM 8244. Corvallis, OR: Oregon State University Extension Service; 1983 June. 34 p.
49. LeBaron, Allen D.; Nielsen, Darwin B.; Workman, John P.; Godfrey, E. Bruce. An economic evaluation of the transfer of Federal lands in Utah to State ownership. Final report submitted to Four Corners Regional Commission for contract 501-400-015-4. Logan, UT: Utah Agricultural Experiment Station; 1980; 92 p.
50. Lundgren, Gwynne K.; Conner, J. Richard; Pearson, Henry A. An economic analysis of forest grazing on four timber management situations. South. J. Appl. For. 7(3): 119-124; 1983.
51. Lundgren, Gwynne K.; Whitson, R. E.; Ueckert, D. E.; Gilstrap, R. E.; Livingston, C. W., Jr. Assessment of the pricklypear problem on Texas rangelands. MP-1483. College Station, TX: Texas Agricultural Experiment Station; 1981. 21 p.
52. McArthur, J'Wayne; Nielsen, Darwin B.; Andersen, J. C. Feasibility of range improvement on the rangelands of the Four Corners Economic Development Region. Spec. Rep. 23. Las Cruces, NM: New Mexico State University; 1973. 57 p.
53. McConnen, Richard J. Some comments and questions on range resource allocation. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 27-34.
54. Martin, S. Clark. Stocking strategies and net cattle sales on semi-desert range. Res. Pap. RM-146. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1975. 10 p.
55. Martin, William E. The distribution of benefits and costs associated with public rangelands. In: Johnston, George M.; Emerson, Peter M., eds. Public lands and the U.S. economy: balancing conservation and development. Boulder, CO: Westview Press; 1984: 229-256.
56. Martin, William E.; Tinney, J. Craig; Gum, Russell L. A welfare economic analysis of the potential competition between hunting and cattle ranching. West. J. Agric. Econ. 3: 87-97; 1978.
57. Monsen, Stephen B.; Shaw, Nancy, compilers. Managing intermountain rangelands--improvement of range and wildlife habitats: Proceedings of symposia; 1981 September 15-17; Twin Falls, ID; 1982 June 22-24; Elko, NV. Gen. Tech. Rep. INT-157. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983. 194 p.
58. Nelson, Judy Ellen. Range economics in the Bureau of Land Management. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 38-43.
59. Nielsen, Darwin B. Grazing fees for public lands: what's fair? Utah Sci. 43(1): 1-5; 1982.
60. Nielsen, Darwin B.; Bailey, B. F. An analysis of Forest Service grazing statistics. Spec. Rep. Agric. Econ.

- Ser. 70-2. Logan, UT: Utah State University, Department of Economics; 1970. 12 p.
61. Nielsen, Darwin B.; Roberts, N. K. Position statement on current grazing fee issues and problems. Agric. Econ. Ser. 68-3. Logan, UT: Utah State University, Department of Economics; 1968. 6 p.
 62. Nielsen, Darwin B.; Wennergren, E. Boyd. Public policy and grazing fees on Federal lands: some unresolved issues. Land and Water Law Review. 5(2): 293-320; 1970.
 63. Nielsen, Darwin B.; Workman, John P. The importance of renewable grazing resources on Federal lands in the 11 western States. Circ. 155. Logan, UT: Utah Agricultural Experiment Station; 1971. 44 p.
 64. Obermiller, Frederick W. Distributive equity: the missing ingredient in Federal land use planning. Corvallis, OR: Oregon State University, Agricultural Experiment Station; 1981. 18 p.
 65. Olson, Carl E. Discussion of "measuring the economic impact of agency programs on users and local communities." In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1549-1557.
 66. Peterson, R. Max; Burford, Robert F. A plan for studying the public rangelands improvement act grazing fee formula, and other fee options. Washington, DC: U.S. Department of Agriculture, Forest Service; U.S. Department of the Interior, Bureau of Land Management; 1981. 16 p.
 67. Pope, C. Arden, III. Agricultural productive and consumptive use components of rural land values in Texas. Am. J. Agric. Econ. 67(1): 81-86; 1985.
 68. Pope, C. Arden, III; Goodwin, H. L. Impacts of consumptive demand on rural land values. Tech. Article 19850. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1984. 13 p.
 69. Pope, C. Arden, III; Goodwin, H. L. Socio-economic motivations for purchasing rural land in Texas. J. Am. Soc. Farm Managers and Rural Appraisers. 48: 37-40; 1984.
 70. Pope, C. Arden, III; Goodwin, H. L.; Albrecht, Don E. Romance value of range and forest land. Rangelands. 6(4): 161-162; 1984.
 71. Rafsnider, Giles T.; Skold, Melvin D. Land use shifts in the Great Plains: needed interregional analysis of potentials for and comparative advantage in grazing and crop production. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 129-138.
 72. Rafsnider, Giles T.; Skold, Melvin D.; Driscoll, Richard S. Increases in costs and returns due to intensifying range forage production survey: an information economic analysis. West. J. Agric. Econ. 8(1): 86-95; 1983.
 73. Roberts, N. Keith; Nielsen, Darwin B. Research on public land pricing policies at USU. Utah Sci. 24(4): 95-98; 1968.
 74. Roberts, T. C.; Workman, John P. ECOSYM--range productivity model development. Rep. 21. In: Henderson, J. A.; Davis, L. S. ECOSYM--an ecosystem classification and data storage system for natural resource management. Logan, UT: Utah State University, Department of Forestry and Outdoor Recreation; 1978. 24 p.
 75. Runge, Carlisle Ford. Common property externalities: isolation, assurance, and resource depletion in a traditional grazing context. Am. J. Agric. Econ. 63(4): 595-606; 1981.
 76. Shane, Ronald L.; Rush, Gary; Ching, C. T. K. The Elko County agricultural land market. T-24. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1978. 9 p.
 77. Simpson, James R.; Young, Robert A. Open access and the economics of grazing land conservation: the Papago case, Arizona. J. Soil Water Conserv. 28(4): 165-168; 1973.
 78. Skold, Melvin D.; Rafsnider, Giles T. A natural resource economic viewpoint on range research. In: Alternatives for strengthening range research:

- Proceedings; 1980 February 9; San Francisco, CA. Misc. Publ. 1386. Washington, DC: U.S. Department of Agriculture, Science and Education Administration; 1980: 26-31.
79. Smith, Stephen M. An economic assessment of conversion of rangeland to dryland wheat farming on the Fort Hall Indian Reservation. Misc. Ser. 56. Moscow, ID: Idaho Agricultural Experiment Station; 1979. 9 p.
 80. Stevens, Joe B.; Godfrey, E. Bruce. An economic analysis of public range investments on the Vale Project, 1960-1969. Circ. Infor. 653. Corvallis, OR: Oregon Agricultural Experiment Station; 1976. 19 p.
 81. Torell, L. Allen; Garrett, J. R.; Ching, C. T. K. The economic effects of three changes in public lands grazing policies. *J. Range Manage.* 34(5): 373-376; 1981.
 82. Townsend, Joseph E.; Smith, Robert J. Improving fish and wildlife benefits in range management. In: Proceedings of a seminar held in conjunction with the 41st North American Wildlife and Natural Resources Conference; 1976 March 20; Washington, DC. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service; 1977. 118 p.
 83. U.S. Congress, House Committee on Interior and Insular Affairs. Improving the range conditions of the public grazing lands; report to accompany H.R. 10587 including the cost estimate of the Congressional Budget Office. Washington, DC; 1978. 52 p. [95th Congress, 2d Session. Report No. 95-1122].
 84. U.S. Congress, House Committee on Interior and Insular Affairs, Subcommittee on Indian Affairs and Public Lands. Federal Land Policy and Management Act and Grazing Fee Moratorium of 1977. Hearings, 95th Congress, 1st Session, on oversight on public law 94-579, Federal Land Policy and Management Act and H.R. 0757, Grazing Fee Moratorium of 1977. Washington, DC; 1978. 203 p.
 85. U.S. Department of Agriculture, Science and Education Administration. Alternatives for strengthening range research. Misc. Publ. 1386. Washington, DC; 1980. 43 p.
 86. U.S. Department of Agriculture, Forest Service. A recommended renewable resources program--1980 update. FS-346. Washington, DC; 1980. 540 p.
 87. U.S. Department of Agriculture, Forest Service. An assessment of the forest and range land situation in the United States. Washington, DC; 1980; 631 p.
 88. U.S. Department of Agriculture, Forest Service. Economics and social analysis. Forest Service Manual FSM 1970. Washington, DC; 1981.
 89. U.S. Department of Agriculture, Forest Service. Alternative goals: 1985 Resources Planning Act program. Program Aid No. 1307. Washington, DC; 1982. 98 p.
 90. U.S. Department of Agriculture, Forest Service. An assessment of the forest and range land situation in the United States. Washington, DC; 1982. 352 p.
 91. U.S. General Accounting Office. Public rangeland improvement--a slow, costly process in need of alternate funding. Report to the Congress by the Comptroller General of the United States. Washington, DC; 1982. 70 p.
 92. U.S. Public Land Law Review Commission. Range resources. In: It's one third of the Nation's land: a report to the President and the Congress. Washington, DC; 1970: 105-118.
 93. Vallentine, John F. U.S.-Canadian range management, 1935-1977: a selected bibliography on ranges, pastures, wildlife, livestock, and ranching. Phoenix, AZ: Oryx Press; 1978. 337 p.
 94. Vallentine, John F. Range development and improvements. Provo, UT: Brigham Young University Press; 1980. 545 p.
 95. Vallentine, John F. U.S.-Canadian range management, 1978-1980: a selected bibliography on ranges, pastures, wildlife, livestock, and ranching. Phoenix, AZ: Oryx Press; 1981. 166 p.
 96. Vallentine, John F.; Sims, Phillip L. Range science: a guide to information sources. Detroit, MI: Gale Research Company; 1980. 231 p.
 97. Van Dyne, George M.; Burch, William; Fairfax, Sally K.; Huey, William. Forage allocation on arid and semiarid public grazing lands: summary and

98. Wagstaff, Fred. J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983. 151 p.
99. Wallace, Michael B. Managing resources that are common property: from Katmandu to Capitol Hill. J. Policy Anal. Manage. 2: 220-237; 1983.
100. Water Resources Council. Economics and environmental principles and guidelines for water and related land resources implementation studies. 18 CFR 711, 713, 714, 716. Washington, DC: U.S. Government Printing Office; 1982.
101. Watts, Myles J.; Downer, Ronald J. Public and private grazing resources in Montana with emphasis on Forest Service administrated grazing. Bozeman, MT: Montana Agricultural Experiment Station; 1983. 57 p.
102. Whitson, R. E. Ranch decision-making under uncertainty--an illustration. J. Range Manage. 28(4): 267-270; 1975.
103. Whitson, R. E. Ranch management in the eighties. Beef Cattle Sci. Handb. Clovis, CA: Agriservices Foundation; 18: 93-101; 1980.
104. Whitson, R. E. Texas agriculture in the 80's: the critical decade. B-1341. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980 December. 111 p.
105. Williams, Robert G. Range economics in forest level planning. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 74-77.
106. Winter, John R.; Whittaker, James K. An economic analysis of land prices of mountainous grazing lands in eastern Oregon. Spec. Rep. 560. Corvallis, OR: Oregon State University, Agricultural Experiment Station; 1979. 37 p.
107. Workman, John P. Economic importance of livestock grazing on Federal rangelands. Utah State University Extension Range Guide. 1(2): 1-3; 1973.
108. Workman, John P. Book review of: "economics and management planning of range ecosystems" by Donald A. Jameson, Sandy D'Aquino, and E. T. Bartlett. J. Range Manage. 27(6): 487-488; 1974. [Also J. For. 73(2): 109; 1975].
109. Workman, John P. Beef from rangelands--a glance at the future. Utah Sci. 36(1): 11-14; 1975.
110. Workman, John P. Speculation on future beef production on rangeland. Rangeland's J. 2(4): 113-114; 1975.
111. Workman, John P. Wildlife and recreation on U.S. rangelands--the economic aspects. In: Arid shrublands; Proceedings of the 3d workshop of the United States/Australia Rangelands Panel; 1973 April 4; Tucson, AZ. Denver, CO: American Society of Range Management; 1975: 131-134.
112. Workman, John P.; Fairfax, Sally K. Applying socioeconomic techniques to range management decision making. In: Developing strategies for rangeland management. Washington, DC: National Research Council, Committee on Developing Strategies for Rangeland Management, Board of Agriculture and Renewable Resources, Commission on Natural Resources; 1981: 75-88.
113. Workman, John P.; Fairfax, Sally K.; Burch, William. Applying socioeconomic techniques to range management decision making: summary and recommendations. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1427-1440.
114. Workman, John P.; Hooper, Jack F. Preliminary economic evaluation of cattle distribution practices on mountain rangelands. J. Range Manage. 21(5): 301-304; 1968.
115. Workman, John P.; Keinast, Charles R. Pinyon-juniper manipulation--some socio-economic considerations. In: The pinyon-juniper ecosystem: a symposium; 1975 May 2; Logan, UT. Logan, UT: Utah State University Press; 1975: 163-177.
116. Workman, John P.; Keith, John E. Economic aspects of erosion control practices in the upper Colorado River Basin. Utah Acad. Sci., Arts, and Letters Proc. 51(1): 102-108; 1974.
117. Workman, John P.; Malechek, John C.; Smith, Arthur D. Range productivity and economics. Utah Sci. 33(1): 10-11; 1972.

118. Wycoff, J. B. Allocation problems of public lands in the West. *West. J. Agric. Econ.* 1: 11-20; 1977.
 119. Yerkes, Vern P. Evaluating cost effectiveness of natural resource management--cost input determination. Fort Collins, CO: Colorado State University; 1979. 173 p. Ph.D. dissertation.
- ECONOMIC IMPACT (GENERAL DESCRIPTION; INDUSTRY; STATE)**
120. Abdalla, Suliman H.; Workman, John P. Possible impacts of the expected shift from cow-calf to cow-yearling enterprises. *J. Range Manage.* 32(3): 232-237; 1979.
 121. Bartlett, E. T.; Taylor, R. G.; McKean, J. R. Impacts of Federal grazing on the economy of Colorado: a report to the Forest Service, Bureau of Land Management, and the Colorado State Experiment Station. Fort Collins, CO: Colorado State University, Department of Range Science; 1979. 277 p.
 122. Bedell, Tom; Schmisser, E. Wilson; Heintz, Monte. Characteristics of dependent ranchers in Baker, Crook and Deschutes, Grant, and Harney Counties in Oregon. Progress Report. Corvallis, OR: Oregon State University, Department of Rangeland Resources; 1982 September. 73 p.
 123. Bohn, Henry; Early, John O. Estimating sustainable predation losses on Idaho range sheep operations. *Bull.* 577. Moscow, ID: Idaho State University, Agricultural Experiment Station; 1977. 12 p.
 124. Bowns, James E.; Davenport, John W.; Workman, John P.; Nielsen, Darwin B. Assessment of sheep losses. In: Wagner, F. H.; [and others]. Final report to the Four Corners Regional Commission on predator control study. Logan, UT: Utah State University; 1973: 3-17.
 125. Bowns, James E.; Davenport, John W.; Workman, John P.; Nielsen, Darwin B.; Dwyer, Don D. Determination of cause and magnitude of sheep losses in southwestern Utah. *Utah Sci.* 34(2): 35-37, 52; 1973.
 126. Boykin, Calvin C. Profitability and flexibility of two range cattle systems in the Rolling Plains of Texas. *J. Range Manage.* 20(6): 375-379; 1967.
 127. Bromley, Daniel W. Economic importance of federal grazing: an interindustry analysis. *J. Range Manage.* 22(1): 9-14; 1969.
 128. Capps, Terri L.; Workman, John P. Economic assessment of range management impacts on the Oak Creek Mountain area. Final report submitted to U.S. Forest Service for contract 12-11-204-3. Logan, UT: Utah State University, Department of Range Science; 1980. 28 p., plus appendixes.
 129. Carpenter, J. Ken; Garrett, James J. Characteristics of Nevada cattle markets. MS-108. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1979. 15 p.
 130. Cook, C. Wayne; Taylor, Garth; Bartlett, E. T. Impacts of federal range forage on ranches and regional economics of Colorado. *Bull.* 576S. Fort Collins, CO: Colorado Agricultural Experiment Station; 1980. 7 p.
 131. Council for Agricultural Science and Technology. Impact of government regulations on the beef industry. Rep. 79. Ames, IA; 1979. 37 p.
 132. Council for Agricultural Science and Technology. The U.S. sheep and goat industry: products, opportunities and limitations. Rep. 94. Ames, IA; 1982. 41 p.
 133. Crom, Richard J.; Cotner, Melvin L. Range economics--a national perspective. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 12-19.
 134. Cronin, Eugene H.; Nielsen, Darwin B.; Madson, Ned. Cattle losses, tall larkspur, and their control. *J. Range Manage.* 29(5): 364-367; 1976.
 135. Davenport, John W.; Bowns, James E.; Workman, John P. Assessment of sheep losses to coyotes--a problem to Utah sheepmen--a concern of Utah researchers. Res. Rep. 7. Logan, UT: Utah State Agricultural Experiment Station; 1973. 17 p.
 136. Doeksen, Gerald A.; Schreiner, Dean F. Interindustry models for rural development research. *Tech. Bull.*

- T-139. Stillwater, OK: Oklahoma Agricultural Experiment Station; 1974. 57 p.
137. Folwell, Raymond J.; Mittelhammer, Ronald C.; Boettcher, Nancy. The structure of Pacific Northwest beef cattle industry. Res. Bull. XB 0927. Pullman, WA: Washington Agricultural Research Center; 1982. 57 p.
 138. Forest-Range Task Force. The nation's range resource--a forest range environmental study. Forest Resource Report 19. Washington, DC: U.S. Department of Agriculture, Forest Service; 1972. 47 p.
 139. Gee, C. Kerry. How do you compare with this profile: if you're a cattleman. Colo. Rancher and Farmer Mag. 27(1): 38-41; 1975.
 140. Gee, C. Kerry. Sheep industry profile. Western Livestock Roundup: western livestock marketing information project. Fort Collins, CO: Colorado State University Experiment Station, Cooperative Extension Service; 1976 December: 4-5.
 141. Gee, C. Kerry. Future sheep production in the West. Western Livestock Roundup: western livestock marketing information project. Fort Collins, CO: Colorado State University Experiment Station, Cooperative Extension Service; 1977: 6-7.
 142. Gee, C. Kerry. Research findings on the United States sheep industry. Spec. Rep. 482. Corvallis, OR: Oregon State University Agricultural Experiment Station; 1977. 36 p.
 143. Gee, C. Kerry. Facts for western Colorado sheep producers. AE-4. Fort Collins, CO: Colorado State University Experiment Station; 1978. 25 p.
 144. Gee, C. Kerry. Cattle and calf losses to predators--feeder cattle enterprises in the United States. J. Range Manage. 32(2): 152-154; 1979.
 145. Gee, C. Kerry. Estimating economic impacts of adjustments in grazing on Federal lands and estimating Federal rangeland forage values. Tech. Bull. 143. Fort Collins, CO: Colorado State University Experiment Station; 1981. 11 p.
 146. Gee, C. Kerry; Briskey, Danny L. Effects of reductions in Federal grazing permits on sheep ranch value and borrowing capacity. Bull. 583S. Fort Collins, CO: Colorado State University Experiment Station; 1982. 8 p.
 147. Gee, C. Kerry; Gleason, Stephen V.; Mayhoffer, David J.; Sutter, Kenneth J. Enterprise budgets for livestock businesses that use National Forest grazing land. ANRE Working Pap. WP: 85-9. Fort Collins, CO: Colorado State University, Department of Agriculture and Natural Resource Economics; 1985. 346 p.
 148. Gee, C. Kerry; Gleason, Stephen V.; Mayhoffer, David J.; Sutter, Kenneth J. Enterprise budgets for livestock businesses that use Bureau of Land Management grazing land. ANRE Working Pap. WP: 86-1. Fort Collins, CO: Colorado State University, Department of Agriculture and Natural Resource Economics; 1986. 248 p.
 149. Gee, C. Kerry; Madsen, Albert G. Facts for Colorado feeder cattle producers. AE-5. Fort Collins, CO: Colorado State University Experiment Station; 1978. 38 p.
 150. Gee, C. Kerry; Madsen, Albert G. Colorado sheep production costs and returns. Coop. Ext. Serv. Bull. 510A. Fort Collins, CO: Colorado State University Experiment Station; 1982. 53 p.
 151. Gee, C. Kerry; Madsen, Albert G. Lamb and stock losses in the 17 western States, 1980. Rep. EA-6. Fort Collins, CO: Colorado State University Experiment Station; 1982. 2 p.
 152. Gee, C. Kerry; Madsen, Albert G. Sheep production in the 17 western States. Spec. Ser. 24. Fort Collins, CO: Colorado State University Experiment Station; U.S. Department of Agriculture, Economic Research Service; 1983. 25 p.
 153. Gee, C. Kerry; Skold, Melvin D. Optimum enterprise combinations and resource use on mountain cattle ranches in Colorado. Bull. 546S. Fort Collins, CO: Colorado State University Experiment Station; 1970. 12 p.
 154. Gee, C. Kerry; VanArsdall, Roy; Gilliam, Henry; Harrison, Virden; Crawford, Terry. Costs and returns of producing livestock in the United States--final 1980, preliminary 1981, and projections

- for 1982. ERS Staff Rep. AGES 820201. Washington, DC: U.S. Department of Agriculture, Economic Research Service, National Economics Division; 1982; 47 p.
155. Godfrey, E. Bruce. Definition of economic research needed to evaluate forage supplies on range and cropland for integrated assessments of renewable resources at National, Regional, and State levels. Final report of Project RM-81-145-CA. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1981. 58 p.
 156. Godfrey, E. Bruce. Measuring the economic impact of Agency programs on users and local communities. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1517-1548.
 157. Godfrey, E. Bruce; Andersen, Jay C. Resource use in Utah agriculture. Econ. Res. Center Study Pap. 81-17. Logan, UT: Utah State University, Department of Economics; 1981. 29 p.
 158. Godfrey, E. Bruce; Nielsen, Darwin B. Federal management and food production. Idaho Farmer-Stockman. 99(8): 16; 1981.
 159. Goodwin, John W.; Andorn, Reuven; Martin, James E. The irreversible demand function for beef. Tech. Bull. T-127. Stillwater, OK: Oklahoma Agricultural Experiment Station; 1968. 40 p.
 160. Gray, James R.; Fowler, John M.; Jones, Michael L. Economic characteristics of sheep and cattle ranches in southeastern New Mexico, 1978. Res. Rep. 438. Las Cruces, NM: New Mexico State University Agricultural Experiment Station; 1981. 12 p.
 161. Joyce, Linda A. Multiresource production at the regional level. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 50-57.
 162. Kearl, W. Gordon. Mountain valley cattle ranching in Wyoming. AE 78-13. Laramie, WY: University of Wyoming, Department of Agricultural Economics; 1978. 12 p.
 163. LeBaron, Allen D.; Godfrey, E. Bruce; Nielsen, Darwin B.; Workman, John. Sagebrush Rebellion: an economic analysis. Utah Sci. 41(3): 82-91; 1980.
 164. LeBaron, Allen D.; Nielsen, Darwin B.; Workman, John P.; Godfrey, E. Bruce. An economic evaluation of the transfer of Federal lands in Utah to State ownership. Las Cruces, NM: New Mexico State University; 1980. 92 p.
 165. Madsen, Albert G.; Gee, C. Kerry. Colorado feeder cattle production and cost. Spec. Ser. 23. Fort Collins, CO: Colorado State University Experiment Station; U.S. Department of Agriculture, Economic Research Service; 1983. 26 p.
 166. Madsen, Albert G.; Gee, C. Kerry. Evaluating potential marketing/production alternatives for Colorado feeder cattle producers. ANRE Infor. Rep. IR: 85-10. Fort Collins, CO: Colorado State University, Department of Agricultural and Natural Resource Economics; 1985. 16 p.
 167. Madsen, Albert G.; Gee, C. Kerry; Keffeler, J. Bret. Market vs productive value of Colorado ranches. J. Am. Soc. Farm Managers and Rural Appraisers. 46(1): 19-25; 1982.
 168. Madsen, Albert G.; Gee, C. Kerry; Kruse, Jamie L. Structure of the Colorado beef industry. West. Reg. Proj. W-145. Fort Collins, CO: Colorado State University Experiment Station; 1985 January. 25 p.
 169. Martin, William E. Mitigating the economic impacts of Agency programs for public rangelands. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1659-1679.
 170. Martin, William E.; Tinney, J. Craig; Gum, Russell L. A welfare economic analysis of the potential competition between hunting and cattle ranching. West. J. Agric. Econ. 3: 87-97; 1978.
 171. Mitchell, Burke; Garrett, James R. Characteristics of the range cattle industry: Region III, northeastern Nevada. B-42. Reno, NV: University of Nevada, Agricultural Experiment Station; 1977. 15 p.
 172. Mitchell, Burke; Garrett, James R. Characteristics of the range cattle industry: Region I, southern Nevada. B-45. Reno, NV: University of Nevada, Agricultural Experimental Station; 1978. 10 p.

173. Mitchell, Burke; Garrett, James R. Characteristics of the range cattle industry: Region II, western Nevada. B-44. Reno, NV: University of Nevada, Agricultural Experiment Station; 1978. 12 p.
174. Myer, Gordon L.; Radtke, Hans; Ching, C. T. K. Costs and returns of agricultural production on Carey Act lands in Nevada. C-182. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1977. 6 p.
175. Myer, Gordon L.; Torell, L. Allen; Shane, Ronald; Schrempp, Ronald. Costs and returns for desert ranch cow-calf enterprise in Humboldt County, Nevada. E-20. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1980. 5 p.
176. Nielsen, Darwin B. High/low predation: some why factors. Utah Sci. 38(3): 82-86; 1977.
177. Nielsen, Darwin B. The economic impact of poisonous plants on the range livestock industry in the 17 western States. J. Range Manage. 31(5): 325-328; 1978.
178. Nielsen, Darwin B. Sheep industry economics. In: Proceedings of the conference between environmentalists and sheep producers; 1978 September; Sun Valley, ID. Helena, MT: Northern Rockies Action Group; 1978. 3 p.
179. Nielsen, Darwin B.; Bailey, Barton F. A case study of public grazing in Rich County, Utah. Spec. Rep. Agric. Econ. Ser. 70-3. Logan, UT: Utah State University, Department of Economics; 1970. 34 p.
180. Nielsen, Darwin B.; Curle, D. Predator costs to Utah's range sheep industry. The National Wool Grower. 60(12): 14-16, 22; 1970.
181. Nielsen, Darwin B.; Hinckley, Stan D. Economic and environmental impacts of sagebrush control on Utah's rangelands--a review and analysis. Res. Rep. 25. Logan, UT: Utah State University, Agricultural Experiment Station; 1975. 27 p.
182. Obermiller, Frederick W. The local cost of public land use restrictions. Special Report 583. Corvallis, OR: Oregon State University, Agricultural Experiment Station; 1980. 77 p.
183. Obermiller, Frederick W. Economic efficiency vs. distributive equity: the "sagebrush rebellion." Tech. Pap. 6250. Corvallis, OR: Oregon State University, Agricultural Experiment Station; 1982. 30 p.
184. Obermiller, Frederick W. Economic evaluation of the Oregon range and related resources validation area project. Final Report to the Forest Service, United States Department of Agriculture. Corvallis, OR: Oregon State University, Department of Agricultural Economic Research; 1982 April. 150 p.
185. Obermiller, Frederick W. Opportunities for the more intensive use of input-output analysis in public rangeland decision-making. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 100-110.
186. Obermiller, Frederick W. The structure of a resource dependent economy, Wallowa County, Oregon. Final report to the Wallowa County Court. Corvallis, OR: Oregon State University, Department of Agricultural Economic Research; 1983. 200+ p.
187. Obermiller, Frederick W.; Eppley, Linda M.; Lambert, D. K. Public land and economic dependency in Baker County, Oregon. Final report to the Baker County Court. Corvallis, OR: Oregon State University, Department of Agricultural Economic Research; 1981 March. 100 p.
188. Obermiller, Frederick W.; Wear, Linda Eppley. National economic efficiency versus local community stability goals in public land management: a review of relevant literature. Corvallis, OR: Oregon State University, Oregon Agricultural Experiment Station; 1982. 33 p.
189. Olson, Carl E. Discussion of "measuring the economic impact of agency programs on users and local communities." In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1549-1557.
190. Olson, Carl E.; Jackson, John W. The impact of change in Federal grazing policies on southcentral Wyoming mountain valley cattle ranches. Res. J.

96. Laramie, WY: University of Wyoming, Agricultural Experiment Station; 1975. 21 p.
191. Osborn, James E.; Witkowski, Gerald V. Economic impact of brush encroachment in Texas. *South. J. Agric. Econ.* 6: 95-100; 1974.
192. Parker, Karl G. Range development potentials on Utah ranches. In: *Economic problems of the range livestock industry: Proceedings*; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 50-54.
193. Peryam, J. Stephen; Olson, Carl E. Impact of potential changes in BLM grazing policies on west central Wyoming cattle ranches. *Res. J.* 87. Laramie, WY: Wyoming Agricultural Experiment Station; 1975. 17 p.
194. Schaller, W. Neill. A perspective on the economic problems of the range livestock problems. In: *Economic problems of the range livestock industry: Proceedings*; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 2-3.
195. Schmisser, W. Edward; Miller, Richard. Fertilizing eastern Oregon rangelands. *Spec. Rep.* 527. Corvallis, OR: Oregon State University Extension Service; 1979. 15 p.
196. Shane, Ronald L.; Rush, Gary; Ching, C. T. K. The Elko County agricultural land market. T-24. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1978. 9 p.
197. Skold, Melvin D.; VanArsdall, Roy N. Cattle raising in the United States. *Agric. Econ. Rep.* 235. Washington, DC: U.S. Department of Agriculture, Economics Research Service; 1973. 88 p.
198. Smith, Arthur H.; Martin, William E. Socioeconomic behavior of cattle ranchers with implications for rural community development in the West. *Am. J. Agric. Econ.* 54(2): 217-225; 1972.
199. Stevens, Delwin M. An economic analysis of Wyoming's sheep industry (1960, 1964, 1968). *Bull.* 546. Laramie, WY: Wyoming Agricultural Experiment Station; 1971. 64 p.
200. Stevens, Delwin M.; Hartley, David R. Decline in Wyoming sheep industry--a partial explanation. *Res. J.* 104. Laramie, WY: Wyoming Agricultural Experiment Station; 1976. 41 p.
201. Taylor, R. G.; Workman, John P.; Bowns, James W. The economics of sheep predation in southwestern Utah. *J. Range Manage.* 32(4): 317-321; 1979.
202. University of Nevada, Department of Agricultural and Resource Economics. Economic impact of BLM grazing allotment reductions on Humboldt County, Nevada. T-27. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1980. 56 p.
203. University of Nevada, Department of Agricultural and Resource Economics. Government grazing allotment reductions: impact on Humboldt County, Nevada. C-186. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1980. 14 p.
204. Wagstaff, Fred J. Externalities caused by multiple use on public rangelands. In: Wagstaff, Fred J., compiler. *Proceedings--range economics symposium and workshop*; 1982 August 31-September 2; Salt Lake City, UT. *Gen. Tech. Rep.* INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 82-86.
205. Wheeler, R. O. The range cattle industry of the northern Great Plains--a comparison of production rates between 1958 and 1967. *Bull.* 643. Bozeman, MT: Montana Agricultural Experiment Station; 1970. 21 p.
206. Whitson, R. E.; Kothmann, M. M.; Elizondo, Francisco. Development of optimum livestock systems for Texas coastal prairie. In: *Rangeland resources research*. CPR-3665. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980 August: 50-51.
207. Workman, John P. Economic importance of livestock grazing on Federal rangelands. Logan, UT: Utah State University Extension Range Guide. 1(2): 1-3; 1973.
208. Workman, John P.; Fowler, John M. Optimum stocking rate--biology vs. economics. In: 2d international

rangeland congress: working papers; 1984 May. Adelaide, Australia. Adelaide, Australia: International Rangeland Congress; 1984: II-4.

209. Workman, John P.; Godfrey, E. Bruce; LeBaron, Allen D.; Nielsen, Darwin B. Net economic costs of the proposed transfer of Utah's Federal lands to State ownership. *Rangelands*. 3(1): 6-7; 1981.
210. Workman, John P.; MacPherson, D. W.; Nielsen, Darwin B.; Kennedy, James J. A taxpayer's problem--recreational subdivisions in Utah. *The Environment and Man Program*. Logan, UT: Utah State University Press; 1973. 16 p.
211. Yanagida, John F.; Conway, Roger K. The annual livestock model of the United States. Washington, DC: U.S. Department of Agriculture, National Economics Division; 1980 January. 217 p.
212. Yanagida, John F.; Conway, Roger K. The effect of energy price increases on the U.S. livestock sector. *Can. J. Agric. Econ.* 29: 295-302; 1981.
213. Yanagida, John F.; Jakus, Paul M.; Champney, William O. Structure of Nevada agriculture. MS-150. Reno, NV: University of Nevada, Department of Agriculture and Resource Economics; 1983 June. 22 p.

RANCH ECONOMICS (RANCH; FIRM; ENTERPRISE; IMPACT)

214. Agee, D. E. Are western cattle ranches economically sound? In: *Economic problems of the range livestock industry: Proceedings*; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 12-20.
215. Araj, A. A.; Krasselt, W. A.; Schermerhain, R. W. The economic impact of the Idaho beef industry. *Bull.* 563. Moscow, ID: University of Idaho, Agricultural Experiment Station; 1978. 8 p.
216. Bartlett, E. T.; Clawson, W. J. Profit, meat production or efficient use of energy in ranching. *J. Anim. Sci.* 46(3): 812-818; 1978.
217. Beaty, W.; Nielsen, Darwin B. Some economics aspects of beef

crossbreeding in Utah. *Utah Sci.* 34(2): 50-52; 1973.

218. Bedell, Tom; Schmisser, E. Wilson; Heintz, Monte. Characteristics of dependent ranchers in Baker, Crook and Deschutes, Grant, and Harney Counties in Oregon. *Progress Report*. Corvallis, OR: Oregon State University, Department of Rangeland Resources; 1982 September. 73 p.
219. Biswas, Basudeb; Lacey, John R.; Workman, John P.; Siddoway, Francis. Profit maximization as a management goal on southeastern Montana ranches. *West. J. Agric. Econ.* 9(1): 186-194; 1984.
220. Boykin, Calvin C. Profitability and flexibility of two range cattle systems in the Rolling Plains of Texas. *J. Range Manage.* 20(6): 375-379; 1967.
221. Boykin, Calvin C. Economic and operational characteristics of cattle ranches--Texas High Plains and Rolling Plains. *Misc. Publ.* 866. College Station, TX: Texas A. & M. University, Agricultural Experiment Station; 1968. 20 p.
222. Bredemeier, Lorenz F. A comparison of factors that affect ranching profits. *J. Range Manage.* 23(5): 312-315; 1970.
223. Bucher, Robert F. Case study of three small cattle ranches in eastern Montana. In: *Economic problems of the range livestock industry: Proceedings*; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 28-31.
224. Capps, Terri L.; Workman, John P. Management, productivity and economic profiles of two sizes of Utah cattle ranches. *Res. Rep.* 69. Logan, UT: Utah Agricultural Experiment Station; 1982. 20 p.
225. Carkner, Richard W.; Andrews, Leath S. Estimated costs and returns for a 200 head beef cow/calf operation, north central Washington, 1984. *Agric. Ext. Bull.* 1294. Pullman, WA: Washington State University; 1984. 12 p.
226. Carver, R. D. Simulation analysis of extensive and intensive growth of a Nebraska sandhills ranch. Lincoln, NE: University of Nebraska; 1972. 163 p. Ph.D. dissertation.

227. Carver, R. D.; Helmers, G. A. Growth potential of sandhills ranches through irrigation. Res. Bull. 266. Lincoln, NE: University of Nebraska; 1975. 55 p.
228. Champney, William O. Projected use of credit on northern Nevada ranches to 1980. The Nevada Letter. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 3(10); 1972. 4 p.
229. Champney, William O.; Freeman, Kenneth L. Projections of capital and credit needs on northern Nevada range livestock operations to 1980. Bull. B-30. Reno, NV: Nevada Agricultural Experiment Station; 1972. 23 p.
230. Ching, C. T. K. A note on the stability of firm size distribution functions for western cattle ranches. Am. J. Agric. Econ. 55: 500-502; 1973.
231. Conner, J. Richard. Holistic ranch management: how, when, where and what needs to be done. In: White, Larry D.; Guinn, Dwight E., eds. Proceedings, International Ranchers Roundup; 1984 July 30-August 3; Laredo, TX. San Angelo, TX: Texas A. & M. University Agricultural Extension Service; 1984: 1-10.
232. Conner, J. Richard. Why do you own a ranch. In: White, Larry D.; Guinn, Dwight E., eds. Proceedings, International Ranchers Roundup; 1984 July 30-August 3; San Angelo, TX. San Angelo, TX: Texas A. & M. University Agricultural Extension Service; 1984: 39-48.
233. Conner, J. R.; Chamberlain, P. J. Profitability analysis of ranch investments. In: White, Larry D.; Guinn, Dwight E.; Troxel, Tom R., eds. Proceedings, International Ranchers Roundup; 1985 July 30-August 3; Laredo, TX. San Angelo, TX: Texas A. & M. University Agricultural Extension Service; 1985: 107-117.
234. Cook, C. Wayne; Taylor, Garth; Bartlett, E. T. Impacts of Federal range forage on ranches and regional economics of Colorado. Bull. 576S. Fort Collins, CO: Colorado Agricultural Experiment Station; 1980. 7 p.
235. Cook, C. Wayne; Walker, John W.; Ebberts, Mark H.; Rittenhouse, Larry R.; Bartlett, E. T.; Cramer, David A.; Fagerlin, Peter T.; McKean, Mark C. Alternative grass and grain feeding systems for beef production. Bull. 579S (revised). Fort Collins, CO: Colorado State University Experiment Station; 1983. 83 p.
236. Davis, G. A.; Wheeler, R. O. Fall calving in Montana. Bull. 649. Bozeman, MT: Montana Agricultural Experiment Station; 1971. 18 p.
237. Davis, Lynn H.; Wheeler, R. Crop enterprise budgets for farm and ranch planning in Utah. Res. Rep. 74. Logan, UT: Utah State University; 1982. 31 p.
238. Epp, A; Perry, R. E. The sandhill ranch business: 1970 and comparisons with 1960 and 1965. Stn. Bull. SB525. Lincoln, NE: University of Nebraska. 1970. 11 p.
239. Gee, C. Kerry. Economic and operational characteristics of Colorado range cattle businesses. Bull. 550S. Fort Collins, CO: Colorado State University Experiment Station; 1972. 48 p.
240. Gee, C. Kerry. The economics of retained ownership of calves on eastern Colorado cattle ranches. Bull. 551S. Fort Collins, CO: Colorado State University Experiment Station; 1972. 13 p.
241. Gee, C. Kerry. Place your cow herd in perspective--here's how to figure the cost of producing weaner calves. Colo. Rancher and Farmer Mag. 29(2): 47-48; 1975.
242. Gee, C. Kerry. A new look at sheep for Colorado ranchers and farmers. Gen. Ser. 981. Fort Collins, CO: Colorado State University Experiment Station; 1979. 52 p.
243. Gee, C. Kerry; Haider, Mohammed; Madsen, Albert G. Economics of size for mountain and plains cow-calf ranches. Bull. 569S. Fort Collins, CO: Colorado State University Experiment Station; 1979. 28 p.
244. Gee, C. Kerry; Madsen, Albert G.; Keffeler, J. Bret. How much is a Colorado cattle ranch worth? Gen. Ser. 992. Fort Collins, CO: Colorado State University Experiment Station; 1980. 43 p.
245. Gee, C. Kerry; Skold, Melvin D. Optimum enterprise combinations and resource use on mountain cattle ranches in Colorado. Bull. 546S. Fort Collins, CO: Colorado State University Experiment Station; 1970. 12 p.

246. Gee, C. Kerry; Stippler, Henry H. Cow-calf enterprises on wheat farms in the Columbia Basin of Oregon. Spec. Rep. 242. Corvallis, OR: Oregon State University Agricultural Experiment Station; 1967. 45 p.
247. Godfrey, E. Bruce. Costs and returns for cattle ranches in Custer County, Idaho. Bull. 567. Moscow, ID: Idaho Agricultural Experiment Station; 1976. 11 p.
248. Godfrey, E. Bruce; Stevens, Joe B. An economic analysis of public range investments on the Vale Project, 1960-1969. Circ. Infor. 653. Corvallis, OR: Oregon Agricultural Experiment Station; 1976. 19 p.
249. Gray, James R. Production practices, costs, and returns of cattle ranches in northeastern New Mexico. Res. Rep. 156. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1969. 32 p.
250. Gray, James R. Production practices, costs, and returns of cattle and sheep ranches in the grassland area of southeastern New Mexico. Res. Proj. Rep. 173. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1970. 24 p.
251. Gray, James R. Production practices, costs, and returns of cattle ranches in the brushland area of southwestern New Mexico. Res. Rep. 179. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1970. 22 p.
252. Gray, James R. Production practices, costs, and returns of cattle ranches in the central mountains of New Mexico. Res. Rep. 166. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1970. 24 p.
253. Gray, James R. Production practices, costs, and returns of cattle ranches in the mountain and plateau area of northwestern New Mexico. Res. Rep. 174. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1970. 23 p.
254. Gray, James R. Organization, costs, and incomes of western cattle and sheep ranches. Bull. 587. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1971. 56 p.
255. Gray, James R. Economic benefits from small livestock ranches in north-central New Mexico. Res. Rep. 280. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1974. 40 p.
256. Gray, James R. Organization, costs and returns of cattle ranches in northeastern New Mexico. Bull. 676. Las Cruces, NM: New Mexico State University Agricultural Experiment Station; 1980. 44 p.
257. Gray, James R.; Bedford, Larry D. Economic analysis of commercial ranch recreation enterprises. Bull. 559. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1970. 37 p.
258. Gray, James R.; Cox, J. Ronald. Decision theory and stocking decisions on New Mexico cattle ranches. Res. Rep. 210. Las Cruces, NM: New Mexico Agricultural Experiment Station; 1971. 24 p.
259. Gray, James R.; Fowler, John M.; Jones, Michael L. Organization, costs and returns of cattle and sheep ranches in southeastern New Mexico, 1978. Bull. 685. Las Cruces, NM: New Mexico State University Agricultural Experiment Station; 1981. 46 p.
260. Gray, James R.; Jones, Michael L.; Fowler, John M. Organization, costs and return of cattle ranches in southwestern New Mexico. Bull. 684. Las Cruces, NM: New Mexico State University Agricultural Experiment Station; 1981. 44 p.
261. Hewlett, David B.; Workman, John P. An economic analysis of retention of yearlings on range and potential effects on beef production. J. Range Manage. 31(2): 125-128; 1978.
262. Jacobsen, N. A. Comments on production practices on three eastern Montana ranches. In: Economic problems of the range livestock industry: Proceedings; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 32-34.
263. Jeffries, Ned W. A brief look at several eastern Montana ranches. In: Economic problems of the range livestock industry: Proceedings; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 35-36.
264. Karp, L.; Pope, C. Arden, III. Range management under uncertainty. Am. J. Agric. Econ. 9: 160-169; 1984.

265. Kearl, W. Gordon. Economic comparisons of the cow-calf and cow-yearling system for northern plains cattle ranching. Res. J. 67. Laramie, WY: Wyoming Agricultural Experiment Station; 1972. 27 p.
266. Kearl, W. Gordon; Ross, Joe A. Costs and returns of alternative calf wintering and grazing programs in Wyoming. Res. J. 197. Laramie, WY: Wyoming Agricultural Experiment Station; 1983. 60 p.
267. Klein, K. K.; Sonntag, B. H. Bioeconomic firm-level model of beef, forage, and grain farms in western Canada: structure and operation. Agric. Systems. 8: 41-53; 1982.
268. Kothmann, M. M.; Mathis, G. W.; Marion, P. T.; Waldrip, W. J. Livestock production and economic returns from grazing treatments on the Texas Experimental Ranch. Bull. 1100. College Station, TX: Texas A. & M. University, Agricultural Experiment Station; 1970. 39 p.
269. Kruse, Jamie L.; Gee, C. Kerry; Madsen, Albert G. Farm flock sheep management systems. Bull. 589S. Fort Collins, CO: Colorado State University Experiment Station; 1985. 11 p.
270. Lacey, John R. Economic evaluation of ranch efficiency and range improvement practices in eastern Montana. Logan, UT: Utah State University; 1981. 202 p. Ph.D. dissertation.
271. Lacey, John R.; Mowbray, J. E.; Wight, J. R. Ranchers evaluate contour furrows for livestock grazing. Rangelands. 3(2): 58-60; 1981.
272. Liestritz, F. Larry; Qualey, Neil J. Economics of ranch management alternatives in southwestern North Dakota. J. Range Manage. 28(5): 349-352; 1975.
273. Lindeborg, K.; Smith, G. Costs and returns to cattle ranches in selected areas of Idaho. Res. Bull. 119. Moscow, ID: Idaho Agricultural Experiment Station; 1980. 20 p.
274. Lisec, R. A simulation analysis of intensive and extensive ranch growth in the Nebraska sandhills. Lincoln, NE: University of Nebraska; 1981. 159 p. M.S. thesis.
275. Madsen, Albert G.; McDonald, Phillip. The rate of gain during winter background of feeder cattle alters marketing alternatives. In: Colorado Agribusiness Roundup. Fort Collins, CO: Colorado State University, Cooperative Extension Service; 1981: 34-36.
276. Martin, William E. Budgets for livestock ranches. In: Progressive agriculture in Arizona. Tucson, AZ: University of Arizona, College of Agriculture; 20(5): 18-19; 1968.
277. Martin, William E.; Gatz, Jimmie R. Effects of Federal income taxes on cattle ranch prices. Am. J. Agric. Econ. 50(1): 41-55; 1968.
278. Meckling, William; Madsen, Albert G.; Gee, C. Kerry. Production-marketing alternatives for 1980 fall weaned beef cattle. In: Colorado Agribusiness Roundup. Fort Collins, CO: Colorado State University, Cooperative Extension Service; 1980 Winter: 29-30.
279. Meckling, William; Madsen, Albert G.; Gee, C. Kerry. Selecting the most profitable feeder cattle production/marketing alternative. Gen. Ser. 998. Fort Collins, CO: Colorado State University Experiment Station; 1981. 23 p.
280. Miles, Stanley D. Oregon beef ranch analysis. In: Economic problems of the range livestock industry: Proceedings; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 21-27.
281. Myer, Gordon L. Choosing between selling calves or selling yearlings with a fixed amount of forage. E-1. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1977. 4 p.
282. Myer, Gordon L.; Hackett, Irving E. Costs and returns for cow-calf enterprise in Elko County, Nevada. E-29. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1981. 5 p.
283. Myer, Gordon L.; Torell, Allen; Garrett, James; Schrempp, Ronald. Costs and returns for cow-calf enterprise with BLM summer grazing in Humboldt County, Nevada. E-21. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1980. 5 p.

284. Nelson, A. Gene. Measuring the financial returns to a ranch. In: Economic problems of the range livestock industry: Proceedings; 1970 July 15-18; Logan, UT. Bozeman, MT: Montana State University, Cooperative Extension Service; 1970: 4-11.
285. Nelson, C. Alan; Skold, Melvin D. Resources, costs, and returns on cattle ranches in the mountain areas of Colorado by size of ranch. Tech. Bull. 101. Fort Collins, CO: Colorado State University, Agricultural Experiment Station; 1970. 45 p.
286. Nielsen, Darwin B. Coyotes and deer. Utah Sci. 36(3): 87-90; 1975.
287. Nielsen, Darwin B. Ranch economics--private land survival, range multiple-use management. Pullman, WA: Washington State University, Cooperative Extension Service; 1975. 9 p.
288. Nielsen, Darwin B. Firm level economic analysis. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 86-88.
289. Pitt, Michael D.; Kerr, William A. Range improvements, economics, and financially marginal ranching units--a perspective. J. Range Manage. 31(3): 204-208; 1978.
290. Pope, C. Arden, III. Agricultural productive and consumptive use components of rural land values in Texas. Am. J. Agric. Econ. 67(1): 81-86; 1985.
291. Pope, C. Arden, III; Adams, C. E.; Thomas, J. K. Recreational and aesthetic value of wildlife in Texas. J. Leisure Res. 16: 51-60; 1984.
292. Pope, C. Arden, III; Goodwin, H. L., Jr. Impacts of consumptive demand on rural land values. Am. J. Agric. Econ. 66(5): 750-754; 1984.
293. Pope, C. Arden, III; Goodwin, H. L. Socio-economic motivations for purchasing rural land in Texas. J. Am. Soc. Farm Managers and Rural Appraisers. 48: 37-40; 1984.
294. Powell, Don. Economics of range management. Beef Cattle Sci. Handb. Clovis, CA: Agriservices Foundation; 9: 306-311; 1972.
295. Quenemoen, M. E. Complete and partial budgets for farm and ranch decisions. Bull. 1066. Bozeman, MT: Montana State University, Cooperative Extension Service; 1977. 24 p.
296. Rockeman, Kurt A.; Walker, Odell L. Range-cropland pasture utilization systems for northwest Oklahoma ranches--an economic analysis. Oklahoma Current Farm Econ. 52(1): 7-20; 1979.
297. Rogers, LeRoy F.; Mackey, A. Bruce. Economics of production testing on commercial beef ranches. Bull. 733. Pullman, WA: Washington Agricultural Experiment Station; 1971. 7 p.
298. Schmisser, W. Edward. Characteristics of eastern Oregon cattle operations. Spec. Rep. 561. Corvallis, OR: Oregon State University Extension Service; 1979 September. 28 p.
299. Scrivner, J. H.; Conner, J. R. Costs and returns of angora goat enterprises with and without coyote predation. J. Range Manage. 37(2): 166-171; 1984.
300. Skold, Melvin D.; Rafsnider, Giles T. Cost guidelines of private rangelands in Colorado. In: CSU beef program report. Spec. Ser. 22, Anim. Sci. Fort Collins, CO: Colorado State University; 1983. 8 p.
301. Smith, Arthur H.; Martin, William E. Socioeconomic behavior of cattle ranchers with implications for rural community development in the West. Am. J. Agric. Econ. 54(2): 217-225; 1972.
302. Stevens, Delwin M. Mountain valley cattle ranching: an economic analysis. Bull. 485. Laramie, WY: Wyoming Agricultural Experiment Station; 1968. 50 p.
303. Stevens, Delwin M. Wyoming mountain valley cattle ranching in 1973 and 1974--an economic analysis. Res. J. 95. Laramie, WY: Wyoming Agricultural Experiment Station; 1975. 44 p.
304. Torell, L. Allen; Garrett, J. R.; Ching, C. T. K. The impact of changes in public lands policies on a sample of 36 ranches in Elko County, Nevada. MS-117. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1979. 49 p.

305. Torell, Allen; Godfrey, E. Bruce; Eckert, R. E., Jr. Optimal livestock production strategies on the Saval Ranch. TRB-85-1. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture, Nevada Agricultural Experiment Station; 1985. 79 p.
 306. Torell, L. Allen; Godfrey, E. Bruce; Nielsen, Darwin B. Forage utilization cost differentials in a ranch operation: a case study. J. Range Manage. 39(1): 34-39; 1986.
 307. Torell, L. Allen; Lucier, Gary. An economic analysis of management options at the Gund Ranch. MS-124. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1980 July. 71 p.
 308. Torell, L. Allen; Speth, C. F.; Ching, C. T. K. Effect of calf crop on net income of a Nevada cattle operation. J. Range Manage. 35(4): 519-521; 1982.
 309. Trosper, Ronald L. American Indian relative ranching efficiency. Am. Econ. Rev. 68(4): 503-516; 1978.
 310. Usman, Mohammad; Gee, C. Kerry. Prices and demand for lamb in the United States. Tech. Bull. 132. Fort Collins, CO: Colorado State University Experiment Station; 1978. 14 p.
 311. Whitson, R. E. Ranch management in the eighties. Beef Cattle Sci. Handb. Clovis, CA: Agriservices Foundation; 18: 93-101; 1980.
 312. Whitson, R. E.; Lundgren, G. K. Alternatives to increase economic efficiency of ranch firms in the Edwards Plateau. J. Range Manage. [In press].
 313. Workman, John P. Cattle ranches show economics of size. Utah Farmer-Stockman. 91(17): 14-15; 1971.
 314. Workman, John P. Analyzing ranch income statements--a modified approach. Rangelands. 3(4): 146-148; 1981.
 315. Workman, John P.; Hooper, Jack F. Grazing vs. wheat production on marginal Utah cropland. Utah Sci. 29(2): 32-33, 60; 1968.
 316. Workman, John P.; Hooper, Jack F. Cost-size relationships of Utah cattle ranches. J. Range Manage. 24(6): 462-465; 1971.
 317. Workman, John P.; King, Kenneth H. Utah cattle ranch prices. Utah Sci. 43(3): 78-81; 1982.
 318. Workman, John P.; Lacey, John R. Base ranching decisions on sound economics. Utah Farmer-Stockman. 102(10): 6-8; 1982.
- ## EVALUATION, PROCEDURES, AND TECHNIQUES (ESTIMATION; BENEFITS)
319. Bartlett, E. T. Discussion of "criteria for investment feasibility and selection." In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1509-1516.
 320. Bartlett, E. T. Estimating benefits of range for wildland management and planning. In: Valuation of wildland resource benefits. Boulder, CO: Westview Press; 1984: 143-156.
 321. Bartlett, E. T.; Evans, Gary R.; Bement, R. E. A serial optimization model for ranch management. J. Range Manage. 27(3): 233-239; 1974.
 322. Bromley, Daniel W. Discussion of "the role of economic analysis in public range management." In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1467-1474.
 323. Conner, J. Richard. Economic analysis of four alternative grazing systems. In: Proceedings: Texas Experimental Ranch Field Day. 1985 April 25; Throckmorton, TX. Vernon, TX: Texas Agricultural Experiment Station and Extension Service; 1985: 13-15.
 324. Cook, C. Wayne; Bartlett, E. T.; Evans, Gary R. A systems approach to range beef production. Sci. Ser. 15. Fort Collins, CO: Colorado State University; 1974. 70 p.
 325. Cook, C. Wayne; Denham, A. H.; Bartlett, E. T.; Child, R. Dennis. Efficiency of converting nutrients and cultural energy in various feeding and grazing systems. J. Range Manage. 29(3): 186-191; 1976.
 326. Davis, Lynn H.; Wheeler, R. Crop enterprise budgets for farm and ranch planning in Utah. Res. Rep. 74. Logan, UT: Utah State University; 1982. 31 p.

327. Dyer, A. A. Public natural resource management and valuation of nonmarket outputs. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1559-1596.
328. Fulcher, G. Grazing systems: a least cost alternative to proper management of public lands. J. Range Manage. 26(5): 385-387; 1973.
329. Gardner, B. Delworth. The role of economic analysis in public range management. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1441-1466.
330. Garoian, L.; Kim, Chong S. A general procedure for incorporating BLM and Forest Service grazing activities in linear programming models. MS-138. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1981. 14 p.
331. Godfrey, E. Bruce. Measuring the economic impact of Agency programs on users and local communities. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1517-1548.
332. Godfrey, E. Bruce; Bond, Larry K. The day of computers comes to the farm. Utah Farmer-Stockman; 1979 November: 6-7.
333. Godfrey, E. Bruce; Stevens, Joe B. An economic analysis of public range investments on the Vale Project, 1960-1969. Circ. Infor. 653. Corvallis, OR: Oregon Agricultural Experiment Station; 1976. 19 p.
334. Godfrey, E. Bruce; Torell, Allen. SPUR economics component. In: SPUR--simulation of production and utilization of rangeland: a rangeland model for management and research. Misc. Publ. 1431. Washington, DC: U.S. Department of Agriculture, Agricultural Research Service; 1983: 97-100.
335. Hof, John G.; Joyce, Linda A.; Alward, Gregory S.; Hoekstra, Thomas W. Multilevel analysis of forest and rangeland resources. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 43-50.
336. Howitt, Richard E. Drawing the line: a discussion on "public natural resource management and valuation of nonmarket outputs." In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1597-1611.
337. Hunter, Dennis H.; Bartlett, E. T.; Jameson, Donald A. Optimum forage allocation through chance-constrained programming. Int. Ecol. Model. 2: 91-99; 1976.
338. Jansen, Henricus C. Range RAM--a long-term planning method for managing grazing lands. Res. Pap. PSW-120. Berkeley, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Forest and Range Experiment Station; 1976. 15 p.
339. Kaiser, H. F.; DeBrower, K.; Lockard, Ronald; Putnam, J. W. Forest-range environmental production analytical system. Agric. Handb. 430. Washington, DC: U.S. Department of Agriculture, Forest Service; 1972. 211 p.
340. Kim, Chong S.; Yanagida, John F. Stochastic programming for optimal investment decision of germinating crested wheatgrass on deeded land. MS-139. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1981. 58 p.
341. Lundgren, G. K.; Conner, J. R.; Pearson, H. A. An economic analysis of five forest-grazing management systems in the southeastern United States. MP-1551. College Station, TX: Texas Agricultural Experiment Station; 1984. 8 p.
342. McKean, John R.; Hof, John G.; Bartlett, E. T.; Taylor, R. G. Contingent value estimates of federal forests. Tech. Bull. Fort Collins, CO: Colorado State University, Agricultural Experiment Station; [in press].
343. Millar, Ronald H.; Lynch, Sandra; Lewis, James H. Economic analysis. In: Rumburg, C. B., ed. Alternative meadow and livestock management systems: a comparison of forage and livestock production with an economic analysis. Bull. 5655. Fort Collins, CO: Colorado Experiment Station; 1975: 11-16.
344. Nielsen, Darwin B. Economics of utilizing sagebrush ranges. Study Pap. 68-3. Logan, UT: Utah State University, Department of Economics; 1968. 10 p.

345. Nielsen, Darwin B. Linear programming in future rangeland administration. Study Pap. 68-5. Logan, UT: Utah State University, Department of Economics; 1968. 6 p.
346. Nielsen, Darwin B. Economic evaluation of treatments that manipulate vegetative succession. In: The effects of range management of plant communities; 1981 April 7-9; Boise, ID. Las Vegas, NV: National Academy of Science; 1981. 44 p.
347. Nielsen, Darwin B. Economic factors to be considered in sagebrush/grassland management. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1373-1386.
348. Obermiller, Frederick W. Capturing the opportunity: an expanded role for input-output analysis in public land use decisions. Corvallis, OR: Oregon State University, Oregon Agricultural Experiment Station; 1982. 19 p.
349. Parks, Don L.; Whitson, Robert E. Economic analysis of forage and beef systems in south-central Texas. Infor. Rep. 78-2. College Station, TX: Texas Agricultural Experiment Station; 1978. 29 p.
350. Pearson, Henry A. Calculating grazing intensity for maximum profit on ponderosa pine range in northern Arizona. J. Range Manage. 26(4): 277-278; 1978.
351. Pope, C. Arden, III; McBryde, Gary L. Optimal stocking of rangeland for livestock production within a dynamic framework. West. J. Agric. Econ. 9(1): 160-169; 1984.
352. Pope, C. Arden, III; Shumway, C. Richard. Management of intensive forage-beef production under yield uncertainty. South. J. Agric. Econ. 16: 37-43; 1984.
353. Pope, C. Arden, III; Stoll, John R. The market value of ingress rights for white-tailed deer hunting in Texas. South. J. Agric. Econ. 17(1): 177-182; 1985.
354. Quigley, Thomas M.; Skovlin, Jon M.; Workman, John P. An economic analysis of two systems and three levels of grazing on ponderosa pine-bunchgrass range. J. Range Manage. 37(4): 309-312; 1984.
355. Quigley, Thomas M.; Taylor, R. G. Econometric estimation of range forage demand. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 120-129.
356. Reardon, P. O.; Whitson, R. E. Economic comparison of grazing systems in the south Texas Plains. In: Rangeland resources research. CPR-3665. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980 August: 51-52.
357. Schuster, Ervin G.; Jones, J. Greg. Extra market valuation for resource allocation: a critique. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 63-74.
358. Simpson, James R. Costs and returns in a study of common property range improvements. J. Range Manage. 24(4): 248-251; 1971.
359. Ulrich, T. J.; Christensen, Robert L.; Ching, C. T. K. A linear programming model of Nevada ranch enterprises. E-2. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1977. 2 p.
360. Ulrich, T. J.; Christensen, Robert L.; Ching, C. T. K. A linear programming model of Nevada ranch enterprises. T-22. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1977. 20 p.
361. Ulrich, T.; Torell, L. A.; Speth, C. F.; Garrett, J. R.; Myer, G. L.; Ching, C. T. K. Program for calculating least cost rations for beef cattle. MS-106. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1978. 15 p.
362. U.S. Department of Agriculture, Forest Service. Range project effectiveness analysis procedures. Forest Service Handb. 2209.11. Washington, DC; 1982. 86 p.

363. Wight, J. R., ed. SPUR--simulation of production and utilization of rangelands: a rangeland model for management and research. Misc. Publ. 1431. Washington, DC: U.S. Department of Agriculture, Agricultural Research Service; 1983. 120 p.
364. Workman, John P. Disagreement among investment criteria--a solution to the problem. *J. Range Manage.* 34(4): 319-324; 1981.
365. Workman, John P. Criteria for investment feasibility and selection. In: Developing strategies for rangeland management. Boulder, CO: Westview Press; 1984: 1475-1507.
366. Workman, John P.; King, Sam L.; Hooper, Jack F. Price elasticity of demand for beef and range improvement decisions. *J. Range Manage.* 25(5): 338-341; 1972.
373. Cordingly, Robert V.; Kearl, W. Gordon. Economics of range reseeding in the plains of Wyoming. *Res. J.* 98. Laramie, WY: University of Wyoming, Agricultural Experiment Station; 1976. 39 p.
374. Cronin, Eugene H.; Nielsen, Darwin B. Controlling tall larkspur on snowdrift areas in sub-alpine zone. *J. Range Manage.* 25(3): 213-216; 1972.
375. Cronin, Eugene H.; Nielsen, Darwin B. Larkspurs: a deadly beauty. *Utah Sci.* 91(1): 7-11; 1980.
376. Ethridge, D. E.; Dahl, B. E.; Sosebee, R. E. Economics evaluation of chemical mesquite control using 2,4,5-T. *J. Range Manage.* 37: 152-156; 1984.
377. Fowler, John M.; Gray, James R. Economic evaluation of best management practices on highly erosive rangelands in New Mexico. Las Cruces, NM: New Mexico State University; 1983. 29 p.

ECONOMICS OF IMPROVEMENTS

367. Araji, A. A.; Godfrey, E. B. An economic analysis of range improvements in the Oakley Valley area of southern Idaho. Prog. Rep. 159. Moscow, ID: University of Idaho, Agricultural Experiment Station; 1972 September. 45 p.
368. Box, Thadis W. Increasing red meat from rangeland through improved range management practices. *J. Range Manage.* 27(5): 333-336; 1974.
369. Bradshaw, Roger L.; Bartlett, E. T. Expected benefits from range improvements in Colorado ecosystems. Sci. Ser. 30. Fort Collins, CO: Colorado State University; 1978. 44 p.
370. Burt, Oscar R. A dynamic economic model of pasture and range investments. *Am. J. Agric. Econ.* 53(2): 197-205; 1971.
371. Ching, C. T. K.; Hancock, Charles E. The economic feasibility of rest rotation grazing--a case study. MS-43. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1973. 26 p.
372. Collins, Alan R.; Workman, John P.; Uresk, Daniel W. An economic analysis of black-tailed prairie dog [*Cynomys ludovicianus*] control. *J. Range Manage.* 37(4): 358-361; 1984.
378. Garoian, L.; Conner, J. R.; Scifres, C. J. Economic evaluation of fire-based improvement systems for Macartney rose. *J. Range Manage.* 37(2): 111-115; 1984.
379. Gaylord, R. A. Evaluating the economics of brush control. *Rangelands.* 4(4): 151-153; 1982.
380. Godfrey, E. Bruce. Range land improvement practices in Idaho. Infor. Ser. 1. Moscow, ID: University of Idaho, College of Forestry, Wildlife and Range Sciences; 1972. 40 p.
381. Godfrey, E. Bruce. Utilization practices and the returns from seeding an area to crested wheatgrass. *J. Range Manage.* 32(3): 171-174; 1979.
382. Godfrey, E. Bruce. The economics of seeding crested wheatgrass: a synthesis and evaluation. Logan, UT: Utah State University, Agricultural Experiment Station; 1986. [In press].
383. Godfrey, E. Bruce; Nielsen, Darwin B. Economic incentives and range improvements on Federal rangelands. In: Packer, Paul E.; Klemmedson, James O., eds. Constraints to improved management of public rangelands. Washington, DC: Society of American Foresters; 1980: 9-12.

384. Godfrey, E. Bruce; Sharp, Lee; Sellasie, Ephraim. The economic returns from seeding an area to crested wheatgrass. Bull. 588. Moscow, ID: Idaho Agricultural Experiment Station; 1979. 10 p.
385. Godfrey, E. Bruce; Workman, John P.; Bartlett, E. Tom. Revision of: economic research in range management. In: Cook, C. Wayne; Stubbendieck, James, eds. Range research: basic problems and techniques. Washington, DC: National Academy of Sciences--National Research Council; 1986: 183-214.
386. Heady, Harold F. Rangeland management. New York: McGraw-Hill; 1975. 460 p.
387. Hooper, Jack F.; Workman, John P.; Grumbles, Jim B.; Cook, C. W. Improved livestock distribution with fertilizer--a preliminary economic evaluation. J. Range Manage. 22(2): 108-110; 1969.
388. Horvath, Joseph; Schweitzer, Dennis; Bell, Enoch. Grazing on National Forest System lands: cost of increasing capacity in the Northern Region. Res. Pap. INT-215. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1978. 56 p.
389. Huston, J. E.; Rector, B. S.; Bredemeyer, Randy. Root plowing and seeding--is the return as high as the price? Rangelands. 2(5): 206; 1980.
390. Jordan, Gilbert L. Range seeding and brush management on Arizona rangelands. Bull. T-81-121. Tucson, AZ: University of Arizona, Arizona Agricultural Experiment Station; 1981. 88 p.
391. Kearl, W. Gordon. Economics of range reseeding. AE 79-01R. Laramie, WY: University of Wyoming, Department of Agricultural Economics; 1979. 15 p.
392. Kearl, W. Gordon. Economics of range reseeding in the Plains. AE 77-08. Laramie, WY: University of Wyoming, Department of Agricultural Economics; 1977. 11 p.
393. Kearl, W. Gordon; Cordingly, Robert V. Cost and returns from reseeding plains ranges in Wyoming. J. Range Manage. 28(6): 437-441; 1975.
394. Kearl, W. Gordon; Freeburn, James W. Economics of big sagebrush control for mitigating reductions of Federal grazing permits. AE 80-05. Laramie, WY: University of Wyoming, Department of Agricultural Economics; 1980. 32 p.
395. Kufeld, Roland C. Responses of elk, mule deer, cattle, and vegetation to burning, spraying, and chaining of gambel oak rangeland. Tech. Publ. 34. Fort Collins, CO: Colorado Division of Wildlife; 1983. 47 p.
396. Lacey, John R.; Wight, J. Ross; Workman, John P. Investment rationale for range improvement practices in eastern Montana. J. Range Manage. 38(1): 2-6; 1985.
397. Lucier, Gary; Shane, Ronald L.; Garrett, James R. A manual for using RIBPRO, computer range improvement budget program for Nevada--first edition. MS-135. Reno, NV: University of Nevada, Max C. Fleischmann College of Agriculture; 1981. 53 p.
398. McArthur, J'Wayne; Nielsen, Darwin B. Economic feasibility and impact of present and potential range improvement programs in the Four Corners area. Las Cruces, NM: New Mexico State University, Four Corners Regional Commission; 1971. 98 p.
399. McBryde, G. L.; Conner, J. R.; Scifres, C. J. Economic analysis of selected brush management practices for eastern south Texas. Bull. 1468. College Station, TX: Texas Agricultural Experiment Station; 1984. 14 p.
400. McCormick, Paul W.; Workman, John P. Early range readiness with nitrogen fertilizer: an economic analysis. J. Range Manage. 28(3): 181-184; 1975.
401. Martin, William E. More sophisticated tools for less important problems: the history of range improvement research. Am. J. Agric. Econ. 54(1): 132-134; 1972.
402. Nielsen, Darwin B. Alternative bounty systems--for coyote control. Utah Sci. 34(2): 38-40; 1972.
403. Nielsen, Darwin B. Will bounties control coyotes? Natl. Wool Grower. 64(1): 22,30-31; 1974.

404. Nielsen, Darwin B. Economics of range improvements--a rancher's handbook to economic decision-making. Bull. 466. Logan, UT: Utah State University, Agricultural Experiment Station; 1977. 52 p.
405. Nielsen, Darwin B.; Cronin, Eugene H. Economics of tall larkspur control. J. Range Manage. 30(6): 434-438; 1977.
406. Nielsen, Darwin B.; Wagstaff, Fred J.; Lytle, Denny D. Big-game animals on private range. Rangelands. 8(1): 36-38; 1986.
407. Olson, Carl E.; Daley, William A.; McAfee, Charles C. An economic evaluation of range resource improvement. Bull. B-650. Laramie, WY: University of Wyoming, Agricultural Experiment Station; 1977. 14 p.
408. Pitt, Michael D.; Kerr, William A. Range improvements, economics, and financially marginal ranching units--a perspective. J. Range Manage. 31(3): 204-208; 1978.
409. Rafsnider, Giles T.; Skold, Melvin D. Private rangeland improvement in the Great Plains: an analysis of investment needs in 1985 and 1990. J. Soil Water Conserv. 40(4): 367-369; 1985.
410. Ralphs, Michael H.; Busby, Frank E. Prescribed burning: vegetative change, forage production, cost, and returns on six demonstration burns in Utah. J. Range Manage. 32(4): 267-270; 1979.
411. Richardson, James W.; Badger, Daniel D. Environmental and economic impacts of methods of brush control on western Oklahoma rangeland. Proc. Oklahoma Acad. Sci. 54: 36-39; 1974.
412. Roberts, Dean L.; Workman, John P. Economic evaluation of rangeland fertilization. Utah Acad. Sci., Arts, and Letters Proc. 51(1): 119-122; 1974.
413. Sassman, Robert W. Economic returns from planting forage in National Forests. J. For. 70(8): 487-488; 1972.
414. Sassman, Robert W.; Fight, Roger D. A tool for estimating the financial returns of forage grasses seeded in thinned ponderosa pine. J. Range Manage. 28(3): 185-189; 1975.
415. Schmisser, W. Edward; Miller, Richard. Economics of range fertilization in eastern Oregon. Spec. Rep. 673. Corvallis, OR: Oregon State University Extension Service; 1978. 49 p.
416. Schmisser, W. Edward; Miller, Richard. Economics of spraying sagebrush. Spec. Rep. 586. Corvallis, OR: Oregon Agricultural Experiment Station; 1980. 3 p.
417. Schmisser, W. Edward; Miller, Richard. Economics of spraying big sagebrush communities of eastern Oregon. Circ. Infor. 686. Corvallis, OR: Oregon State University, Agricultural Experiment Station; 1980. 36 p.
418. Schmisser, W. Edward; Miller, Richard. Spraying big sagebrush range in eastern Oregon: management insights. Spec. Rep. 638. Corvallis, OR: Oregon State University Extension Service; 1981. 11 p.
419. Scifres, C. J.; Hamilton, W. T.; Conner, J. R.; Inglis, J. M.; Rasmussen, G. A.; Smith, R. P.; Stuth, J. W.; Welch, T. G. Development and implementation of integrated brush management systems (IBMS) for south Texas. Bull. 1493. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1985. 71 p.
420. Shipley, John; Regier, Cecil. Optimum forage production and the economic alternative associated with grazing irrigated wheat, Texas High Plains. Misc. Publ. 1068. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1972. 11 p.
421. Skold, Melvin D.; Rafsnider, Giles T. Cost guidelines of private rangelands in Colorado. In: CSU beef program report. Spec. Ser. 22, Anim. Sci. Fort Collins, CO: Colorado State University; 1983. 8 p.
422. Sneva, Forrest A. Grazing return following sagebrush control in eastern Oregon. J. Range Manage. 25(3): 174-178; 1972.
423. Stevens, Joe B.; Godfrey, E. Bruce. Use rates, resource flows, and efficiency of public investment in range improvements. Am. J. Agric. Econ. 54(4): 611-621; 1972.

424. Stuth, Jerry W.; Dahl, Bill E. Evaluation of rangeland seedings following mechanical brush control in Texas. *J. Range Manage.* 27(2): 146-149; 1974.
425. Wagstaff, Fred J. Economics as a tool for natural rangeland managers. *Rangelands*. 5(3): 121-122; 1983.
426. Wagstaff, Fred J. Evaluating proposed improvements of public rangelands. Gen. Tech. Rep. INT-150. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983. 4 p.
427. Welch, Tommy G. Suggestions for chemical weed and brush control on rangeland. Bull. 1466. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1984. 21 p.
428. Whitson, R. E. Costs of using prescribed fire. In: White, E. L., ed. Symposium on using prescribed fire in the Edwards Plateau: Proceedings; College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980. 5 p.
429. Whitson, R. E.; Beasom, S. L.; Scifres, C. J. Economic evaluation of cattle and white-tailed deer response to aerial spraying of mixed brush. *J. Range Manage.* 30(3): 214-217; 1977.
430. Whitson, R. E.; Beasom, S. L.; Scifres, C. J. Economic considerations of cattle and white-tailed deer response to aerial spraying of mixed brush in south Texas. In: Rangeland resources research. CPR-3665. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980 August: 51.
431. Whitson, R. E.; Heitschmidt, R. K.; Kothmann, M. M.; Lundgren, G. K. The impact of grazing systems on the magnitude and stability of land income in the rolling plains of Texas. *J. Range Manage.* 35(4): 526-532; 1982.
432. Whitson, R. E.; Merrill, L. B.; Wiedemann, H. T.; Taylor, C. A., Jr. Economic feasibility of brush control in the Edwards Plateau. Misc. Publ. 1554. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1984. 9 p.
433. Whitson, R. E.; Scifres, C. J. Economic comparisons of alternatives for improving honey mesquite infested rangeland. B-1307. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980. 185 p.
434. Whitson, R. E.; Scifres, C. J. Economic comparisons of honey mesquite control methods for Texas. In: Rangeland resources research. CPR-3665. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station; 1980 August: 49-50.
435. Whitson, R. E.; Scifres, C. J. Federal cost sharing--the economic necessity for mesquite control by ranch firms in Texas. *J. Am. Soc. Farm Managers and Rural Appraisers*. 44(2): 40-45; 1980.
436. Whitson, R. E.; Scifres, C. J. Economic comparison of honey mesquite control methods with special reference to the Texas rolling plains. *J. Range Manage.* 34(5): 415-420; 1981.
437. Whitson, R. E.; Scifres, C. J.; Drawe, D. L. Economic potential of mechanical brush treatments on the coastal prairie. In: Rangeland resources research. CPR-3665. College Station, TX: Texas A. & M. University, Texas Agricultural Experiment Station. 1980 August: 50.
438. Wikeem, Brian M.; Strang, R. M. Prescribed burning on B.C. rangelands: the state of the art. *J. Range Manage.* 36(1): 3-8; 1983.
439. Workman, John P. Economics of nitrogen fertilization of introduced grasslands in the Intermountain area of the United States. In: Proceedings, 13th international grassland congress; 1977 May 26; Leipzig, German Democratic Republic. Leipzig, German Democratic Republic: International Grassland Congress; 1977: 334-343.
440. Workman, John P.; Hooper, Jack F. Preliminary economic evaluation of cattle distribution practices on mountain rangelands. *J. Range Manage.* 21: 301-304; 1968.
441. Workman, John P.; Keith, John E. Economics of soil treatments in the upper Colorado. In: American Society of Civil Engineers watershed management symposium proceedings; 1975 August 13; Logan, UT. New York: American Society of Civil Engineers; 1975: 591-596.

442. Workman, John P.; King, Sam L.; Hooper, Jack F. Price elasticity of demand for beef and range improvement decisions. *J. Range Manage.* 25(5): 338-341; 1972.
443. Workman, John P.; Quigley, Thomas M. Economics of fertilizer application on range and meadow sites in Utah. *J. Range Manage.* 27(5): 390-393; 1974.
444. Workman, John P.; Roberts, Dean L., Jr. Low beef prices make range fertilizing economics questionable. *Utah Farmer-Stockman.* 96(6): 58-59; 1976.
445. Workman, John P.; McCormick, Paul W. Economics of carryover response to nitrogen fertilization of rangelands. *J. Range Manage.* 30(5): 324-327; 1977.
446. Young, James A.; Evans, Raymond A.; Budy, Jerry D.; Torell, L. Allen. Cost of controlling maturing western juniper trees. *J. Range Manage.* 35(4): 437-442; 1982.
451. Brokken, Ray; McCarl, Bruce A. A theoretical evaluation of fee systems for private grazing on Federal lands. PB85-128-320. Washington, DC: U.S. Department of Agriculture, Economic Research Service; 1985. 136 p.
452. Byington, E. K.; Child, R. D. Forage for domestic livestock on the National Forest System, study of RPA issue area #13. Report to the U.S. Department of Agriculture, Forest Service, Washington, DC; 1979. 91 p.
453. Fowler, John M.; Gray, James R. Market value of Federal grazing permits in New Mexico. *Rangelands.* 2(3): 112; 1980.
454. Gee, C. Kerry. Estimating economic impacts of adjustments in grazing on Federal lands and estimating Federal rangeland forage values. Tech. Bull. 143. Fort Collins, CO: Colorado State University Experiment Station; 1981. 11 p.
455. Gee, C. Kerry. The use of linear programming to estimate range forage values. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 89-92.

VALUING RANGE FORAGE AND GRAZING FEES

447. Andrus, Cecil D.; Berglund, Bob. Study of fees for grazing livestock on Federal lands. Washington, DC: U.S. Government Printing Office; 1977. 303 p.
448. Bartlett, E. T. Valuing range forage on public rangelands. In: Wagstaff, Fred J., compiler. Proceedings--range economics symposium and workshop; 1982 August 31-September 2; Salt Lake City, UT. Gen. Tech. Rep. INT-149. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983: 92-100.
449. Bartlett, E. T.; Kehmeier, Paul; Taylor, R. Garth. Valuation and demand for U.S. Forest Service grazing in Colorado. A report prepared for the Forest Service, USDA Cooperative Agreement No. 16-769-CA. Fort Collins, CO: Colorado State University; 1981. 62 p.
450. Bartlett, E. T.; Ralphs, Michael. Estimation of grazing values for the 1980 RPA program. Report to the U.S. Department of Agriculture, Forest Service, Washington, DC; 1978. 44 p.
456. Gee, C. Kerry; Briskey, Danny L. Effects of reductions in Federal grazing permits on sheep ranch value and borrowing capacity. Bull. 583S. Fort Collins, CO: Colorado State University Experiment Station; 1982. 8 p.
457. Gee, C. Kerry; Madsen, Albert G.; Keffeler, J. Bret. Market vs productive value of Colorado ranches. *J. Am. Soc. Farm Managers and Rural Appraisers.* 46(1): 19-25; 1982.
458. Godfrey, E. Bruce; Nielsen, Darwin B. A review and evaluation of the "appraisal report estimating fair market rental value of public rangelands in the western United States administered by USDA-Forest Service and USDI-Bureau of Land Management." Econ. Res. Inst. Study Pap. 85-1. Logan, UT: Utah State University, Department of Economics; 1985. 58 p.

459. Godfrey, E. Bruce; Nielsen, Darwin B.; Lytle, Denny D. Permit values of Federal grazing in the West. Econ. Res. Inst. Study Pap. 85-2. Logan, UT: Utah State University, Department of Economics; 1985. 25 p.
460. Godfrey, E. Bruce; Nielsen, Darwin B.; Lytle, Denny D. Vacant Federal grazing allotments in the West. Utah Sci. 46(3): 100-102; 1985.
461. Godfrey, E. Bruce; Nielsen, Darwin B.; Obermiller, Frederick. An evaluation of the Forest Service and Bureau of Land Management grazing appraisal report. Res. Rep. 104. Logan, UT: Utah State University, Agricultural Experiment Station; 1985. 58 p.
462. Hooper, Jack F. Potential for increases in grazing fees. J. Range Manage. 20(5): 300-304; 1977.
463. Hooper, Jack F.; Heady, H. F. An economic analysis of optimum rates of grazing in the California annual-type grassland. J. Range Manage. 23(5): 307-311; 1970.
464. Kearl, W. Gordon; Freeburn, James W. Economics of big sagebrush control for mitigating reductions of Federal grazing permits. AE 80-05. Laramie, WY: University of Wyoming, Department of Agricultural Economics; 1980. 32 p.
465. Lambert, David K.; Obermiller, Frederick W. Costs incurred by permittees in grazing cattle on public and private rangeland in eastern Oregon. Spec. Rep. 692. Corvallis, OR: Oregon State University Extension Service; 1983 November [reprinted 1984 March]. 46 p.
466. Lynch, Con P. Revocation of rangeland permits: a case study. Rangelands. 6(4): 171-174; 1984.
467. McCarl, Bruce A.; Brokken, Ray F. An economic analysis of alternative grazing fee systems. Am. J. Agric. Econ. 67(4): 769-778; 1984.
468. Madsen, Albert G.; Gee, C. Kerry. Sources and costs of range forage in Colorado. Gen. Ser. 976. Fort Collins, CO: Colorado State University Experiment Station; 1978. 12 p.
469. Martin, William E.; Snider, Gary B. The value of forage for grazing cattle in the Salt-Verde Basin in Arizona. Rep. 22. Tucson, AZ: University of Arizona, Department of Agricultural Economics; 1980. 41 p.
470. Nielsen, Darwin B. Economic implications of variable versus single grazing fees. J. Range Manage. 25(1): 2-6; 1972.
471. Nielsen, Darwin B. Grazing fees for public lands: what's fair? Utah Sci. 43(1): 1-5; 1982.
472. Nielsen, Darwin B.; Godfrey, E. Bruce; Obermiller, Frederick. An evaluation of the Forest Service and Bureau of Land Management grazing appraisal report. Res. Rep. 104. Logan, UT: Utah State University, Utah Agricultural Experiment Station; 1985. 58 p.
473. Nielsen, Darwin B.; Roberts, N. K. Position statement on current grazing fee issues and problems. Agric. Econ. Ser. 68-3. Logan, UT: Utah State University, Department of Economics; 1968. 6 p.
474. Nielsen, Darwin B.; Wennergren, E. Boyd. Public policy and grazing fees on Federal lands: some unresolved issues. Land and Water Law Rev. 5(2): 309-311; 1970.
475. Nielsen, Darwin B.; Williams, R. G. Determining variable grazing fees on Forest Service ranges. Spec. Rep. 70-1. Logan, UT: Utah State University, Agricultural Experiment Station; 1970. 60 p.
476. Obermiller, Frederick W. Values of public land grazing. Corvallis, OR: Oregon State University, Oregon Agricultural Experiment Station; 1983. 11 p.
477. Obermiller, Frederick W. Economic perspectives on the valuation of public land livestock forage. Paper presented at: NCA symposium on Federal grazing fees: what is fair market value?; 1984 January; New Orleans, LA. Corvallis, OR: Oregon State University, Agricultural Experiment Station; 1984. 37 p.
478. Obermiller, Frederick W.; Lambert, David K. Costs incurred by permittees in grazing livestock on public lands in various western states. EM 8283. Corvallis, OR: Oregon State University Extension Service; 1984 November. 73 p.

479. Peterson, R. Max; Burford, Robert F. Grazing fee review and evaluation: a plan for studying the Public Rangelands Improvement Act grazing fee formula, and other fee options. Washington, DC: U.S. Department of Agriculture, Forest Service; U.S. Department of the Interior, Bureau of Land Management; 1981. 16 p.
480. Schulze, William D.; d'Arge, Ralph C.; Brookshire, David S. Valuing environmental commodities: some recent experiments. *Land Econ.* 57(2): 151-172; 1981.
481. Thorp, Fred; Holden, Howard. An evaluation of the beef cattle prices and prices paid indexes used in the Federal grazing fee formula. PB85-128-346. Washington, DC: U.S. Department of Agriculture, Statistical Reporting Service; 1984. 48 p.
482. U.S. Congress, House Committee on Interior and Insular Affairs, Subcommittee on Indian Affairs and Public Lands. Federal Land Policy and Management Act and Grazing Fee Moratorium of 1977. Hearings, 95th Congress, 1st Session, on oversight on public law 94-579, Federal Land Policy and Management Act and H.R. 0757, Grazing Fee Moratorium of 1977. Washington, DC; 1978. 203 p.
483. U.S. Department of Agriculture, Forest Service. Grazing fees on National Forest range, past history and present policy. Cl Rep. 3. Washington, DC; 1969. 20 p.
484. U.S. Department of Agriculture, Forest Service; U.S. Department of the Interior, Bureau of Land Management. Study of fees for grazing livestock on Federal lands. GPO 024-011-00087-9. Washington, DC; 1977 October. 240+ p.
485. U.S. Department of Agriculture, Forest Service; U.S. Department of the Interior, Bureau of Land Management. 1985 grazing fee review and evaluation. 1985. Draft Report. On file at: U.S. Department of Agriculture, Forest Service, Intermountain Research Station; Provo, UT. 85 p.
486. U.S. Department of the Interior. Study fees for grazing livestock on Federal lands: a report from the Secretary of the Interior and the Secretary of Agriculture; 1977 October 21. Washington, DC; 1977; 1 vol. (various pagings).
487. Watts, Myles J.; Downer, Ronald J. Public and private grazing resources in Montana with emphasis on Forest Service administrated grazing. Bozeman, MT: Montana Agricultural Experiment Station; 1983. 57 p.
488. Winter, John R.; Whittaker, James K. The relationship between private ranchland prices and public land grazing permits. *Land Econ.* 57(3): 414-421; 1981.

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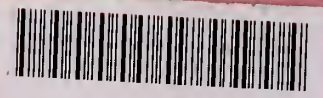
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Wagstaff, Fred J., Compiler. Range and ranch economics bibliography: 1968-85. General Technical Report INT-216. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station; 1986. 30 p.

Range and ranch economics publications from 1968 to 1985 are divided into categories and are referenced by author. Subject matter deals with topics ranging from grazing fees to analysis of improvements on rangelands. It does not include material relating to the livestock industry beyond the ranch level. The bibliography contains 488 citations.

KEYWORDS: range economics, ranch economics, grazing fees, range improvement economics, range economics bibliography

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INTERMOUNTAIN RESEARCH STATION

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